

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-31. (Canceled).

32. (Previously Presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including an outer surface and a notch adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an outer surface including a seal forming portion adapted to deform and form a seal over a portion of the wearer's face when the mask is in use, an inner surface opposing the outer surface of the frame, an edge defining the perimeter of the aperture, and a notch in a region of the membrane adapted to receive the bridge of the wearer's nose, wherein

the membrane is more flexible than the frame;

the aperture of the frame is larger than the aperture of the membrane; and

the edge of the membrane, in use, is spaced a distance from the frame in at least the region of the membrane adapted to receive the bridge of the wearer's nose.

33. (Previously Presented) A nasal mask cushion assembly according to claim 32, wherein the frame and the membrane are formed in a single piece.

34. (Previously Presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including a first side adapted to contact a mask body of the nasal mask, a second side opposite the first side, an aperture extending from the first side to the second side, a rim on the second side extending around at least a portion of the perimeter of the aperture, and a notch in the rim in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an edge defining the perimeter of the aperture, a notch in a region adapted to receive the bridge of the wearer's nose, a first surface including a seal forming portion disposed around the perimeter of the aperture adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, a second surface opposite the first surface that surrounds and is spaced a first distance from the rim of the frame in at least the region adapted to receive the bridge of the wearer's nose when the mask is in use, wherein the membrane is more flexible than the frame.

35. (Previously Presented) A nasal mask cushion assembly according to claim 34, wherein the frame and the membrane are formed in a single piece.

36. (Previously Presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including an inner surface, an outer surface, an aperture, and a notch in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an outer surface including a seal forming a portion adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, an inner surface opposing the outer surface of the frame and spaced a first distance from the outer surface of the frame in at least the region of the frame adapted to receive the bridge of the wearer's nose when the mask is in use, an edge defining the perimeter of the aperture, and a notch in a region of the membrane adapted to receive the bridge of the wearer's nose, wherein

the membrane is more flexible than the frame;

the aperture of the frame is larger than the aperture of the membrane; and

the edge of the membrane is spaced a second distance from the frame, the second distance being variable.

37. (Previously Presented) A nasal mask cushion assembly according to claim 36, wherein the frame and the membrane are formed in a single piece.

38. (Previously Presented) A nasal mask cushion assembly to sealingly connect a nasal mask to a wearer's face, the cushion assembly comprising:

a generally triangularly shaped frame of resilient material, the frame including a first side adapted to contact a mask body of the nasal mask, a second side opposite the first side, an aperture extending from the first side to the second side, and a notch in a region adapted to receive the bridge of the wearer's nose; and

a generally triangularly shaped membrane of resilient material, the membrane including an aperture adapted to receive the wearer's nose, an edge defining the perimeter of the aperture, a notch in a region adapted to receive the bridge of the wearer's nose, a first surface including a seal forming portion disposed around the perimeter of the aperture adapted to deform and form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, a second surface opposite the first surface that surrounds and is spaced a first distance from the frame in at least the region adapted to receive the bridge of the wearer's nose when the mask is in use, wherein

the membrane is more flexible than the frame;

the aperture of the membrane is smaller than the aperture of the frame; and

the edge of the membrane is spaced a second distance from the frame, the second distance being variable.

39. (Previously Presented) A nasal mask cushion assembly according to claim 38, wherein the frame and the membrane are formed in a single piece.

Claims 40-45. Canceled.

46. (Previously Presented) A nasal mask for connection to a wearer's face comprising:

- a mask body for connection with a supply of breathable gas; and
- a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, said cushion including:
 - a nasal bridge region, a cheek region and a lip region;
 - a first membrane of resilient material having a first molded inwardly curved rim;

and

- a saddle-shaped second membrane also of resilient material, said second membrane having a second molded inwardly curved rim, said second molded rim being fixed to and extending away from said first membrane so as to have a second membrane inner surface spaced a distance from an outer surface of said first molded rim, said distance greater than a thickness of the first molded inwardly curved rim, said first distance measured when the mask is not in use, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is substantially coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask and,

the first and second molded inwardly curved rims are curved generally towards the nose-receiving cavity.

47. (Previously Presented) The nasal mask of claim 46, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned on each lateral side of the arm to receive a strap.

48. (Previously Presented) The nasal mask of claim 47, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

49. (Previously Presented) The nasal mask of claim 48, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

50. (Previously Presented) The nasal mask of claim 49, wherein a maximum deformation position of the second membrane is defined by the first membrane.

51. (Previously Presented) The nasal mask of claim 50, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

52. (Previously Presented) The nasal mask of claim 46, wherein the first and second membranes are formed as a one-piece unit.

53. (Previously Presented) The nasal mask of claim 46, wherein the first membrane is thicker than the second membrane.

54. (Previously Presented) A nasal CPAP treatment apparatus comprising:
a flow generator for the supply of gas at a pressure elevated above atmospheric pressure;
a gas delivery conduit coupled to said flow generator; and
a nasal mask in turn coupled to said conduit, said nasal mask including:

a mask body for connection with a supply of breathable gas; and

a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, the cushion including:

a nasal bridge region, a cheek region and a lip region;

a first membrane of resilient material having a first membrane having a first molded inwardly curved rim; and

a saddle-shaped second membrane having a second molded inwardly curved rim also of resilient material, said second membrane being fixed to and extending away from said first membrane so as to have an inner surface spaced a distance from said first molded rim, said distance greater than a thickness of the first inwardly curved rim, said distance measured when the mask is not in use, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is generally coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask, and

wherein the seal portion fully covers the first molded inwardly curved rim so that the second inwardly curved rim is positioned to provide the only seal with the wearer's face in use.

55. (Previously Presented) The apparatus of claim 54, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned on each lateral side of the arm to receive a strap.

56. (Previously Presented) The apparatus of claim 55, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

57. (Previously Presented) The apparatus of claim 56, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

58. (Previously Presented) The apparatus of claim 57, wherein a maximum deformation position of the second membrane is defined by the first membrane.

59. (Previously Presented) The apparatus of claim 58, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

60. (Previously Presented) The apparatus of claim 54, wherein the first and second membranes are formed as a one-piece unit.

61. (Previously Presented) The apparatus of claim 54, wherein the first membrane is thicker than the second membrane.

62. (Previously Presented) A nasal mask cushion for sealingly connecting a mask to a wearers face, comprising:

a frame of resilient material having a first membrane, the first membrane including a first molded inwardly curved rim, said frame having a front portion with an edge structured to be coupled to a body portion of the mask; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from

said first membrane curved rim, said distance greater than a thickness of the first molded inwardly curved rim, said distance measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal,

wherein a substantially full perimeter of the second molded inwardly curved rim is curved towards the front portion of the frame opposite the wearer's face.

63. (Previously Presented) The nasal mask cushion of claim 62, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

64. (Previously Presented) The nasal mask cushion of claim 63, wherein a maximum deformation position of the second membrane is defined by the first membrane.

65. (Previously Presented) The nasal mask cushion of claim 64, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

66. (Previously Presented) The nasal mask cushion of claim 62, wherein the first and second membranes are formed as a one-piece unit.

67. (Previously Presented) The nasal mask cushion of claim 62, wherein the first membrane is thicker than the second membrane.

Claims 68-95. Canceled.

96. (Previously Presented) A cushion and mask assembly comprising:

a mask including a mask shell constructed to receive a supply of breathable air, an arm extending away from the mask shell and including at least one oblong slot to receive a strap, and a resilient pad provided to the arm above a nasal bridge region of the mask; and

a cushion having a main upstanding wall, the wall having a first end removably coupleable to the mask and a second end defining an opening into a nasal cavity formed by the mask and the cushion, at least a portion of the wall including a first membrane positioned between the first and second ends and extending inwardly onto the nasal cavity, the second end of the wall defining a saddle-shaped second membrane adapted to form a seal over a portion of the wearer's face in a region between the base of the nose and the upper lip and around the sides and over the bridge of the wearer's nose when the mask is in use, the second membrane being spaced from the first membrane a distance that is greater than a thickness of the first membrane, the first membrane having a width that is less than a distance from an intersection of the first membrane and the wall to an edge of the second membrane defining an aperture of the nasal cavity, the second membrane overhanging and covering substantially all portions of the first membrane, the first membrane acting to define a maximum deformation position of the second membrane in use.

97. (Previously Presented) The assembly of claim 96, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

98. (Previously Presented) The assembly of claim 96, wherein the first and second membranes are formed as a one-piece unit.

99. (Previously Presented) The assembly of claim 96, wherein the first membrane is thicker than the second membrane.

100. Canceled.

101. Canceled.

102. (Previously Presented) The nasal mask of claim 46, wherein the mask body includes a plurality of vent openings.

103. (Previously Presented) The nasal mask of claim 46, wherein an edge of the frame interengages with the mask body, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region and towards the mask body.

104. Canceled.

105. (New) A mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a substantially triangularly-shaped frame of resilient material having a rim to surround at least a portion of the wearer's nose;

a membrane also of resilient material, the membrane being relatively more flexible than the frame, and being of the same general shape as said rim and fixed to and extending away from the frame so as to have an outer surface spaced from the rim, a portion of said outer surface forming a face contacting seal portion; and

a nose-receiving cavity bounded by said frame and said membrane;

wherein said face contacting seal portion is generally coterminous with respect to said rim and is resiliently deformable towards the rim in use of the cushion, and

wherein the membrane has a radius of curvature oriented towards the nose-receiving cavity.

106. (New) The cushion as claimed in claim 105, wherein said membrane and said rim each has a co-located notch to accommodate the bridge of a nose.

107. (New) The cushion as claimed in claim 106, wherein said membrane is shaped so that said seal portion, in use, contacts at least a wearer's nose.

108. (New) The cushion as claimed in claim 106, wherein said membrane and said rim are substantially saddle-shaped.

109. (New) The cushion as claimed in claim 105, wherein said membrane is shaped so that said seal portion, in use, contacts at least a wearer's nose.

110. (New) The cushion as claimed in claim 109, wherein said seal portion, in use, contacts the facial tissue around the sides and over the bridge of the nose, and between the base of the nose and the top lip.

111. (New) The cushion as claimed in claim 105, wherein said rim and said seal portion are shaped to generally match facial contours of the facial tissue around the sides and over the bridge of the nose, and between the base of the nose and the top lip.

112. (New) The cushion as claimed in claim 105, wherein only the membrane is adapted to contact the wearer's face in use.

113. (New) The cushion as claimed in claim 105, wherein only a single seal is provided about the wearer's face in use.

114. (New) A nasal mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a nasal bridge region, a cheek region and a lip region;

a first membrane comprising a frame of resilient material having a side wall and a first molded inwardly curved rim extending from said side wall; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from said first molded inwardly curved rim, said distance being greater than a thickness of the first

molded inwardly curved rim, said distance measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal,

wherein the second molded inwardly curved rim has a curvature oriented to present a generally convex sealing surface to the wearer's face in use.

115. (New) The nasal mask cushion of claim 114, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

116. (New) The nasal mask cushion of claim 115, wherein a maximum deformation position of the second membrane is defined by the first membrane.

117. (New) The nasal mask cushion of claim 116, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

118. (New) The nasal mask cushion of claim 114, wherein the first and second membranes are formed as a one-piece unit.

119. (New) The nasal mask cushion of claim 114, wherein the first membrane is thicker than the second membrane.

120. (New) The nasal mask cushion of claim 114, wherein an edge of the frame is adapted to interengage with the mask, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region.

121. (New) A nasal mask cushion to sealingly connect a mask to a wearer's face, the cushion comprising:

a nasal bridge region, a cheek region and a lip region;

a first membrane comprising a frame of resilient material having a side wall including an edge molded to a mask body and a first molded inwardly curved rim extending from the side wall; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, a portion of said second membrane curved rim forming a face contacting seal, said second membrane curved rim spaced a sufficient distance from said first membrane curved rim such that under a normal tightening force of the mask to the wearer's face, at least a portion of the second membrane curved rim remains spaced from the first membrane curved rim,

wherein each of the first and second molded inwardly curved rims has a radius of curvature generally oriented in a direction towards the side wall.

122. (New) The nasal mask cushion of claim 121, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

123. (New) The nasal mask cushion of claim 122, wherein a maximum deformation position of the second membrane is defined by the first membrane.

124. (New) The nasal mask cushion of claim 123, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

125. (New) The nasal mask cushion of claim 121, wherein the first and second membranes are formed as a one-piece unit.

126. (New) The nasal mask cushion of claim 121, wherein the first membrane is thicker than the second membrane.

127. (New) A nasal mask for connection to a wearer's face comprising:
a mask body for connection with a supply of breathable gas; and
a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, said cushion including:

a nasal bridge region, a cheek region and a lip region;

a substantially triangularly-shaped first membrane of resilient material having a first molded inwardly curved rim; and

a saddle-shaped second membrane also of resilient material, said second membrane having a second molded inwardly curved rim, said second molded rim being fixed to and extending away from said first membrane so as to have a second membrane inner surface

spaced a distance from an outer surface of said first molded rim, a portion of said second molded rim forming a face contacting seal;

wherein said seal portion is substantially coterminous with respect to said second molded rim and is resiliently deformable towards said first membrane in use of said mask, at least a portion of the second molded rim remaining spaced from the first molded rim when the mask is connected to the wearer's face, and

wherein the first and second molded inwardly curved rims are generally curved towards the nose-receiving cavity.

128. (New) The nasal mask of claim 127, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including at least one oblong slot to receive a strap.

129. (New) The nasal mask of claim 128, further comprising at least one pad provided to the arm above the nasal bridge region of the mask.

130. (New) The nasal mask of claim 129, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

131. (New) The nasal mask of claim 130, wherein a maximum deformation position of the second membrane is defined by the first membrane.

132. (New) The nasal mask of claim 131, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

133. (New) The nasal mask of claim 127, wherein the first and second membranes are formed as a one-piece unit.

134. (New) The nasal mask of claim 127, wherein the first membrane is thicker than the second membrane.

135. (New) A nasal CPAP treatment apparatus comprising:
a flow generator for the supply of gas at a pressure elevated above atmospheric pressure;
a gas delivery conduit coupled to said flow generator; and
a nasal mask in turn coupled to said conduit to said nasal mask including:
a mask body for connection with a supply of breathable gas; and
a nasal cushion secured to said mask body, the body and cushion forming a nose-receiving cavity, the cushion including:
a nasal bridge region, a cheek region and a lip region;
a frame of resilient material having a first membrane; and
a saddle-shaped second membrane having a molded inwardly curved rim
also of resilient material, said second membrane being fixed to and extending away from said first membrane so as to have an inner surface spaced a distance from said first membrane, a portion of said molded rim forming a face contacting seal portion with the wearer's face in use;

wherein said seal portion is generally coterminous with respect to said molded rim and is resiliently deformable towards said first membrane in use of said mask, at least a portion of the molded rim remaining spaced from the membrane when the mask is connected to a wearer's face.

136. (New) The apparatus of claim 135, further comprising an arm coupled to and extending above the nasal bridge region of the mask, the arm including an oblong slot positioned one each lateral side of the arm to receive a strap.

137. (New) The apparatus of claim 136, further comprising a single resilient pad mounted on the arm and centered above the nasal bridge region of the mask.

138. (New) The apparatus of claim 137, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

139. (New) The apparatus of claim 138, wherein a maximum deformation position of the second membrane is defined by the first membrane.

140. (New) The apparatus of claim 135, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

141. (New) The apparatus of claim 135, wherein the first and second membranes are formed as a one-piece unit.

142. (New) The apparatus of claim 135, wherein the first membrane is thicker than the second membrane.

143. (New) The apparatus of claim 135, wherein the mask body includes a plurality of vent openings.

144. (New) The apparatus of claim 135, wherein an edge of the frame interengages with the mask body, the edge being non-planar, the edge including a nasal bridge edge region and a lip edge region that diverge away from each cheek edge region and towards the mask body.

145. (Currently Amended) A mask cushion for sealingly connecting a mask to a wearer's face, comprising:

a frame of resilient material having a first membrane, at least a portion of the first membrane including a first molded inwardly curved rim; and

a saddle-shaped second membrane of resilient material, said second membrane having a second molded inwardly curved rim, said second membrane curved rim spaced a distance from said first membrane curved rim, measured when the mask is not in use, a portion of said second membrane curved rim forming a face contacting seal, said second membrane curved rim spaced a sufficient distance from said first membrane curved rim such that under a normal tightening force of the mask to the wearer's face, the second membrane curved rim remains spaced from the first membrane curved rim around at least a portion of the first membrane curved rim, wherein

the second molded inwardly curved rim is curved in a direction towards a front portion of the frame opposite the face contacting seal.

146. (New) The mask cushion of claim 145, wherein the second membrane is conformable, in use, to various facial structures with minimum force.

147. (New) The mask cushion of claim 146, wherein a maximum deformation position of the second membrane is defined by the first membrane.

148. (New) The mask cushion of claim 147, wherein the maximum deformation position is not reached under normal tightening force of the mask to the wearer's face.

149. (New) The mask cushion of claim 145, wherein the first and second membranes are formed as a one-piece unit.

150. (New) The mask cushion of claim 145, wherein the first membrane is thicker than the second membrane.

151. (New) A nasal mask cushion assembly according to claim 34, wherein the nasal mask cushion is adapted to fit with a human patient in use.

152. (New) The cushion as claimed in claim 105, wherein the nasal mask cushion is adapted to fit with a human patient in use.

153. (New) A nasal mask cushion according to claim 121, wherein the nasal mask cushion is adapted to fit with a human patient in use.

154. (New) A nasal mask according to claim 127, wherein the nasal mask cushion is adapted to fit with a human patient in use.

155. (New) A nasal CPAP treatment apparatus according to claim 135, wherein the nasal mask cushion is adapted to fit with a human patient in use.

156. (New) A mask cushion according to claim 145, wherein the nasal mask cushion is adapted to fit with a human patient in use.

157. (New) A mask cushion according to claim 114, wherein the nasal mask cushion is adapted to fit with a human patient in use.

158. (New) A nasal mask cushion assembly according to claim 34, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

159. (New) A nasal mask cushion according to claim 62, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

160. (New) A mask cushion according to claim 105, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

161. (New) A nasal mask cushion according to claim 114, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

162. (New) A nasal mask cushion according to claim 121, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

163. (New) A nasal mask according to claim 127, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.

164. (New) A mask cushion according to claim 145, wherein the nasal mask cushion comprises a CPAP cushion including a breathing chamber subject to above ambient pressure in use.